

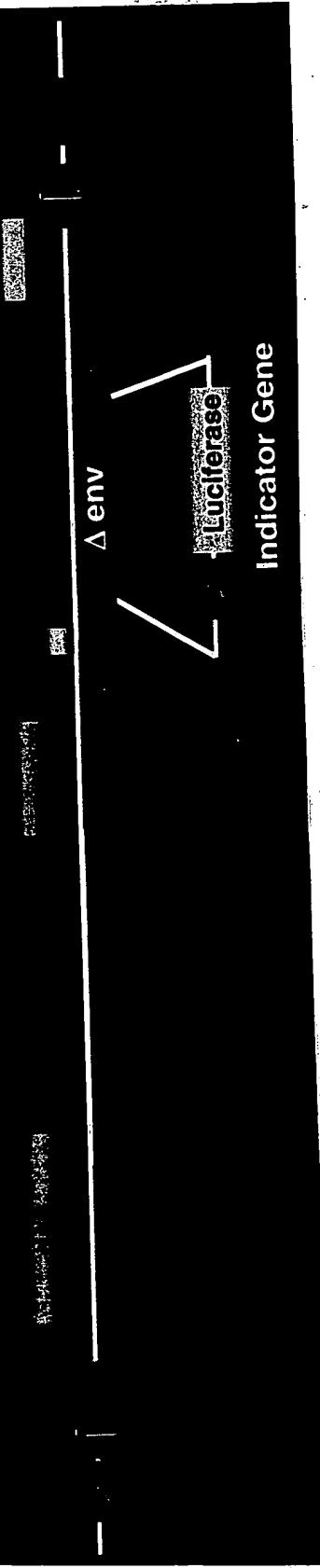
**FIGURE 1A****METHODS**  
**Envelop Expression Vector: pHIVenv****Envelope Expression Vector: pHIVenv****HIV envelope****HIV-1 Expression Vector: pHIVlucΔU3**

FIGURE 1B

PhenoSense HIV Entry Cell Assay

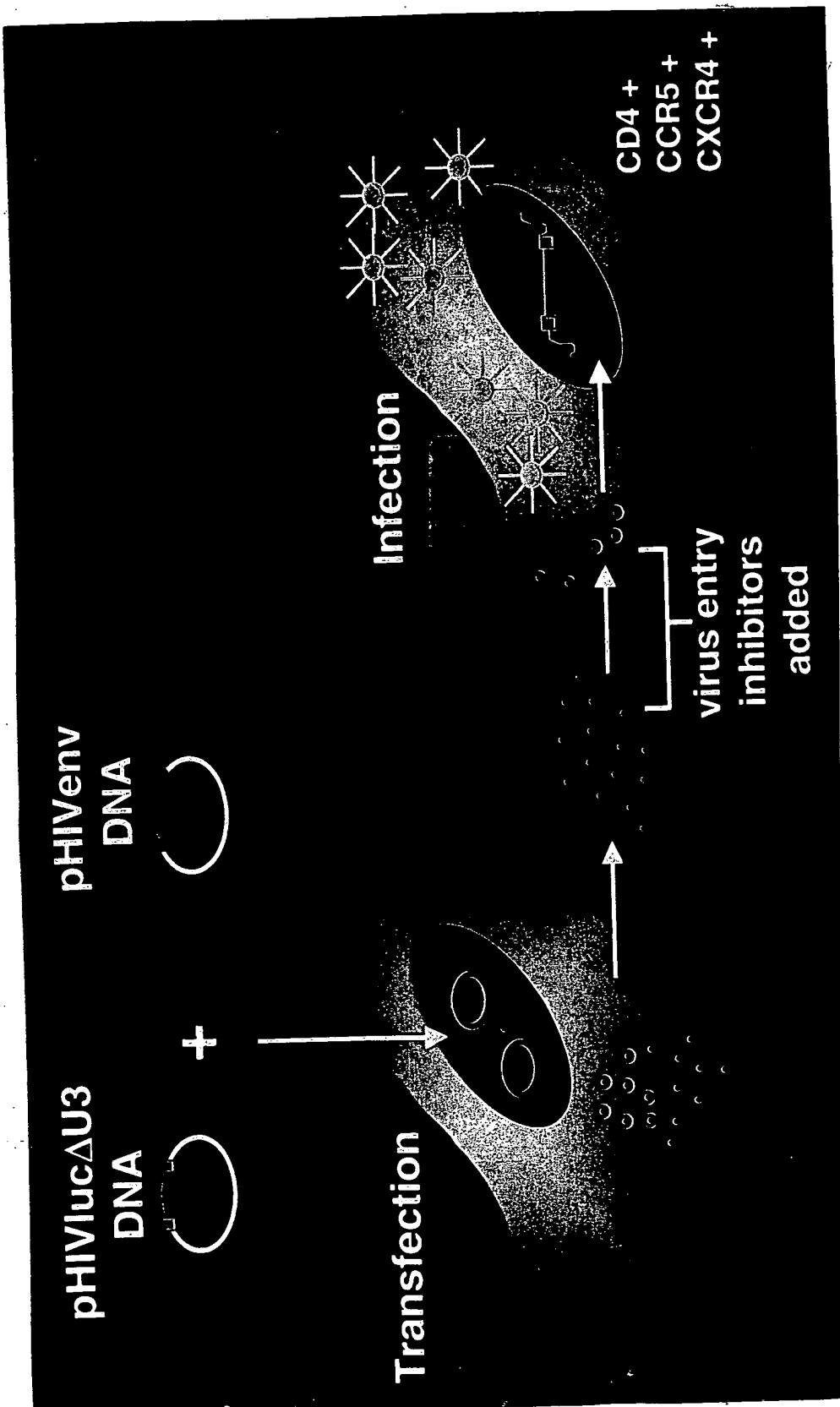
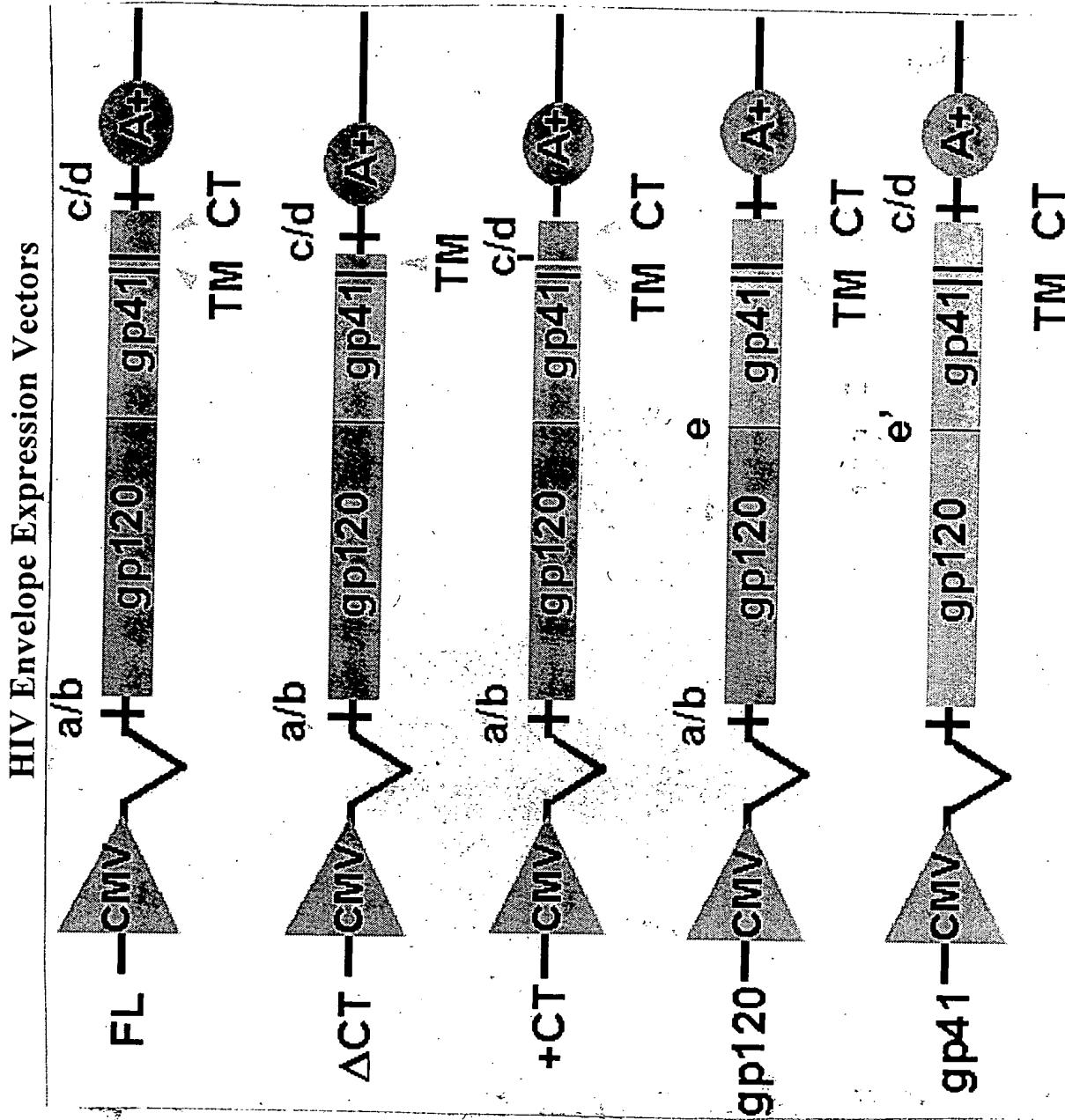


FIGURE 2



### FIGURE 3A

## Co-Receptor Tropism Screen

## CCR5-expressing cells

No drug

## CCR5 inhibitor

## CXCR4 inhibitor

## Replicate 2

No drug

## CCR5 inhibitor

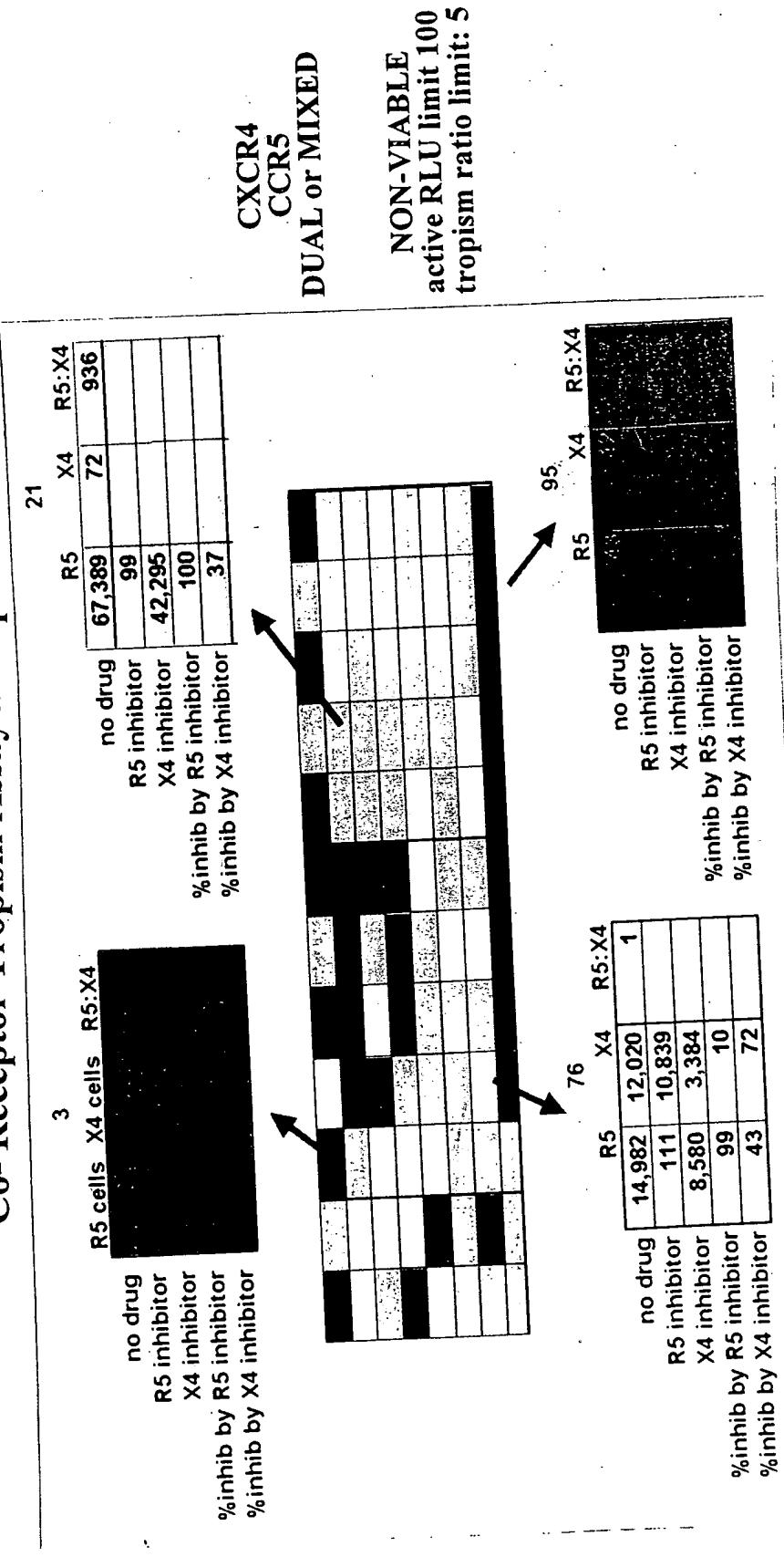
## CXCR4 inhibitor

The image consists of a 2x4 grid of grayscale frames. The top row contains frames 1, 2, 3, and 4. The bottom row contains frames 5, 6, 7, and 8. In the first three frames (1, 2, 3), a bounding box highlights a person. In the fourth frame (4), the person is no longer highlighted. In the fifth frame (5), a bounding box highlights a dog. In the subsequent frames (6, 7, 8), the dog is no longer highlighted. The frames show a scene with a person and a dog, with the bounding box indicating the tracked region of interest.

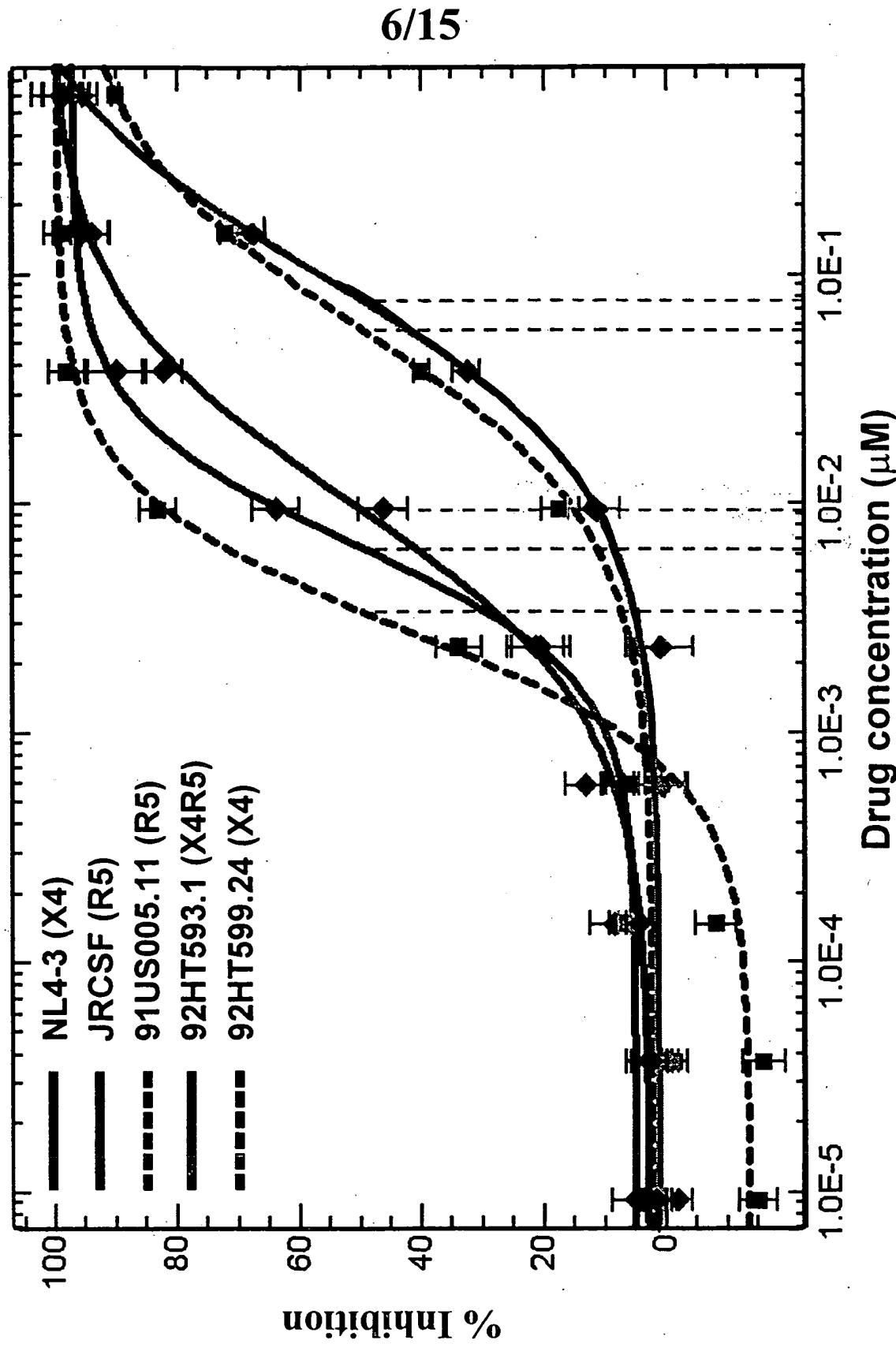
## CXCR4-expressing cells

FIGURE 3B

C<sub>0</sub>-Receptor Tropism Assay Interpretation

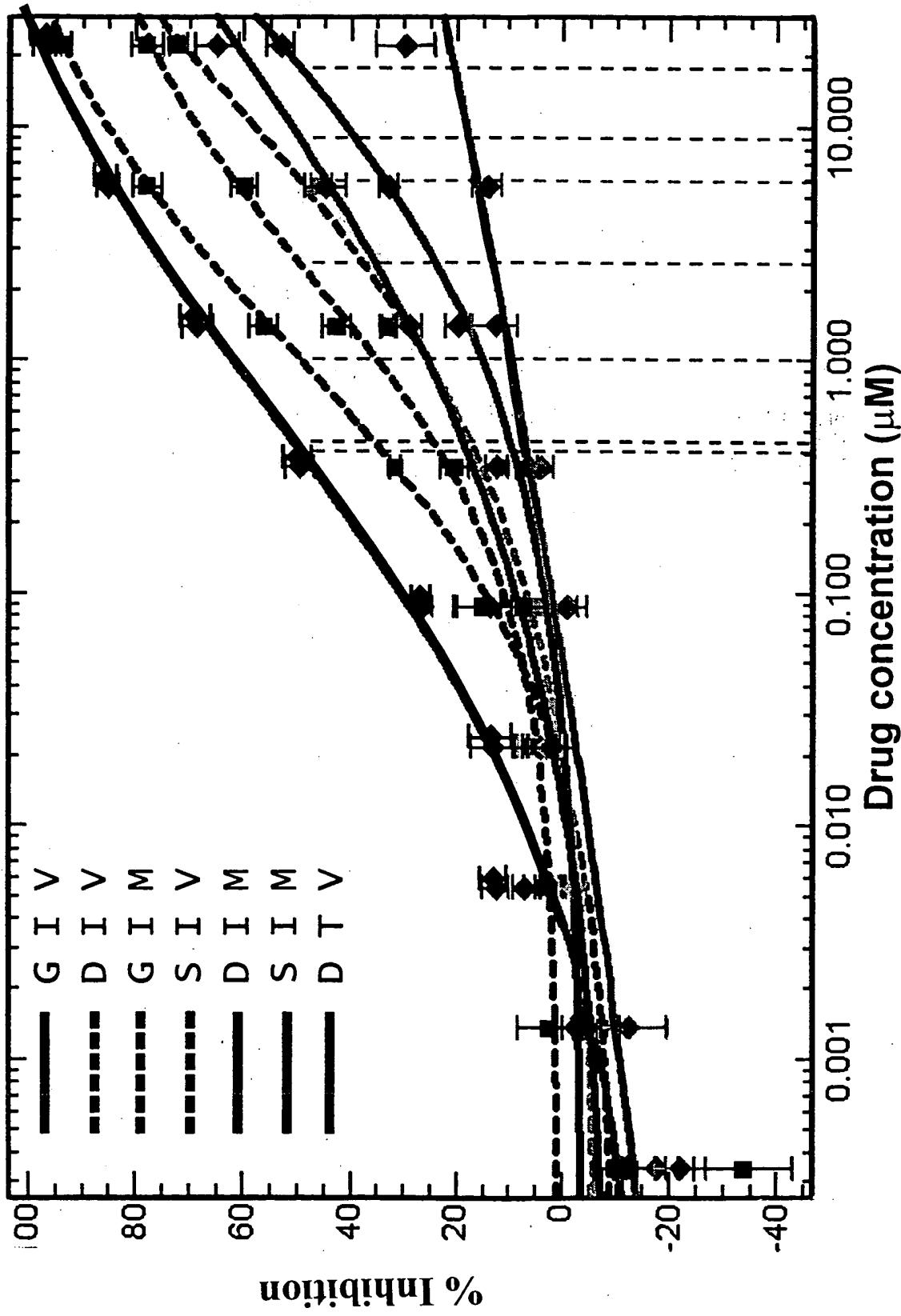


**FIGURE 4A** Entry Inhibitor Susceptibility: Fusion Inhibitor



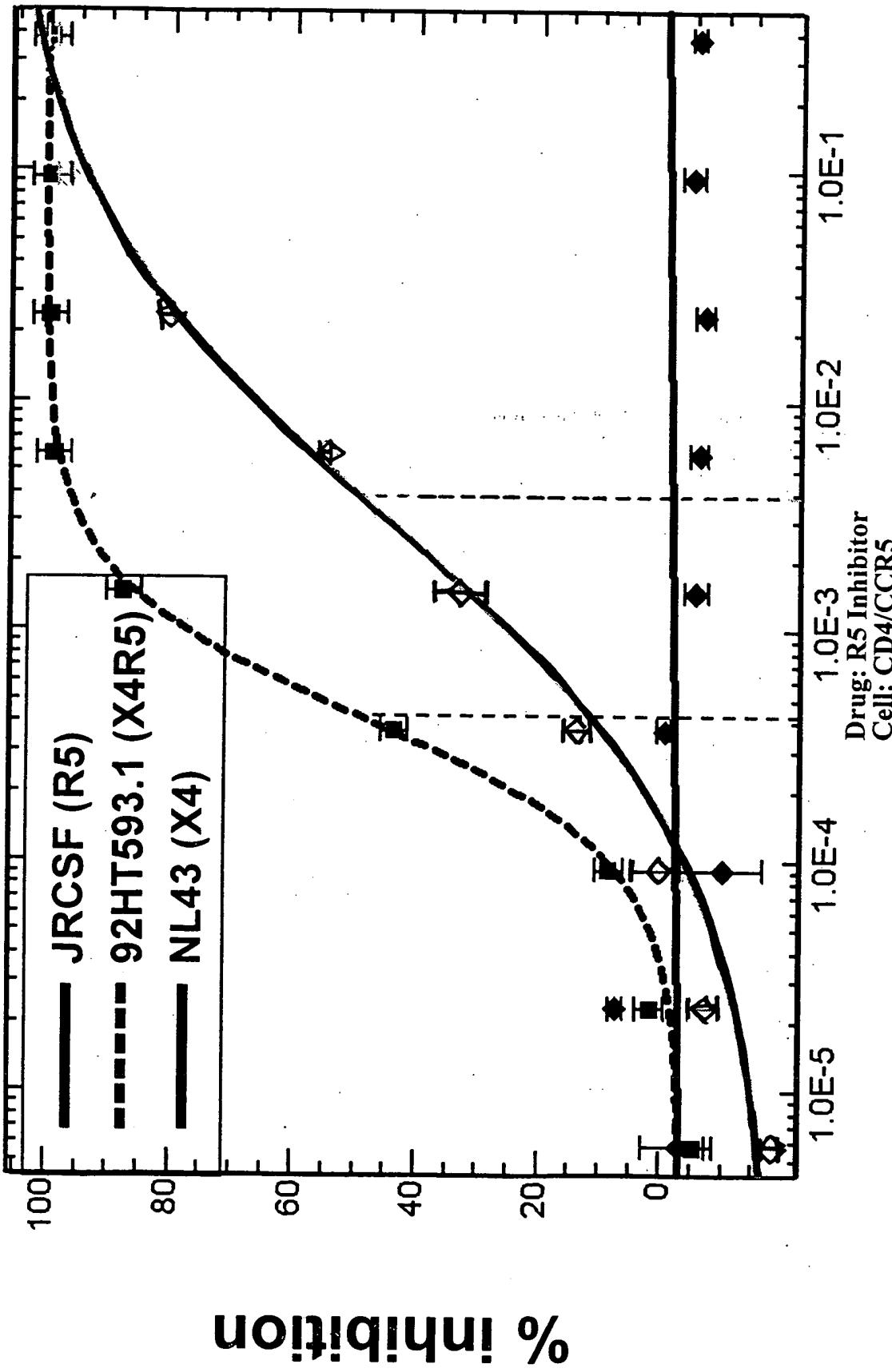
**FIGURE 4B**

Reduced Susceptibility: Fusion Inhibitor



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FIGURE 5A Entry Inhibitor Susceptibility: CCR5 Inhibitor



**FIGURE 5B**

Entry Inhibitor Susceptibility: CXCR4 Inhibitor

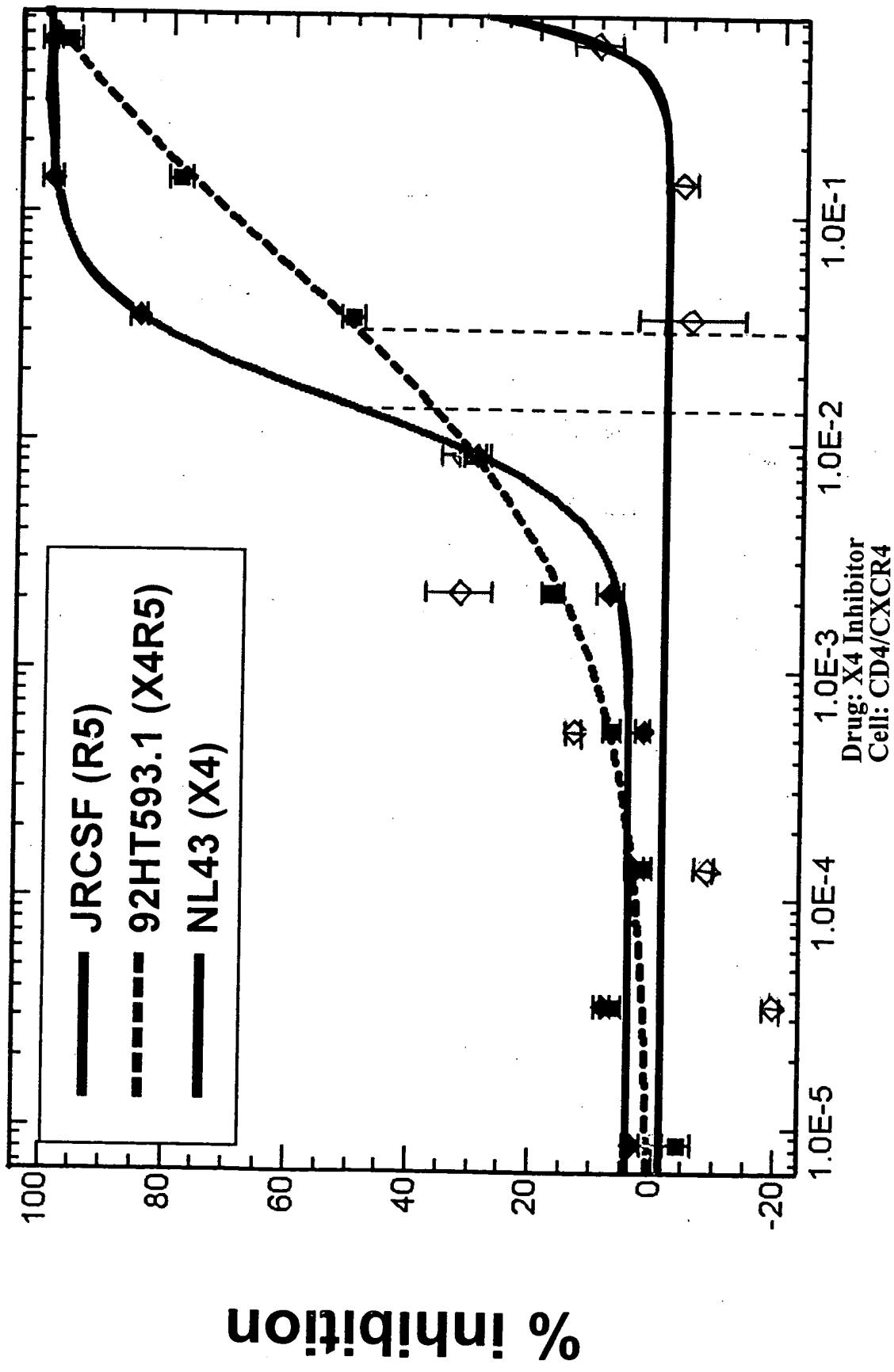
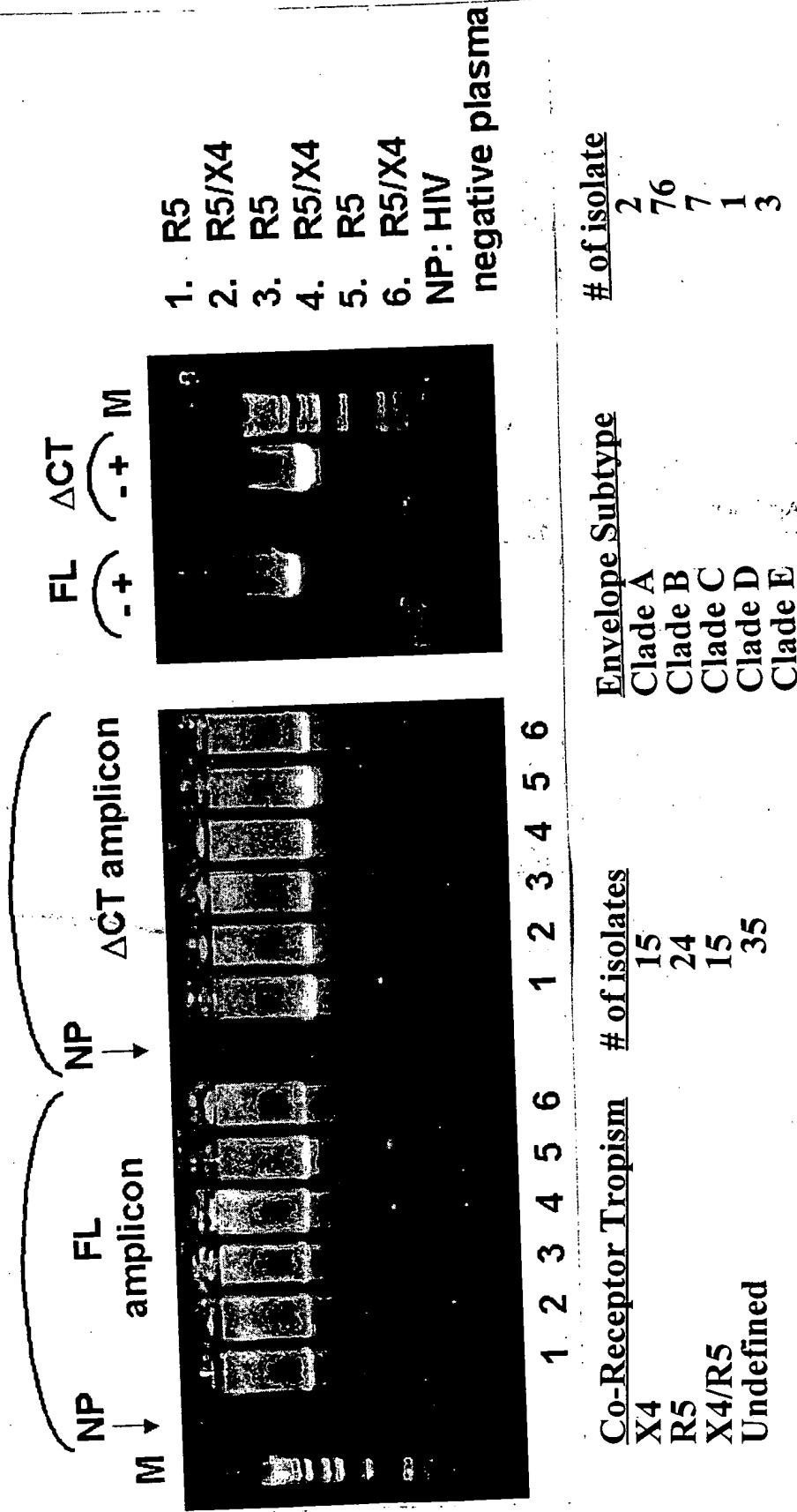
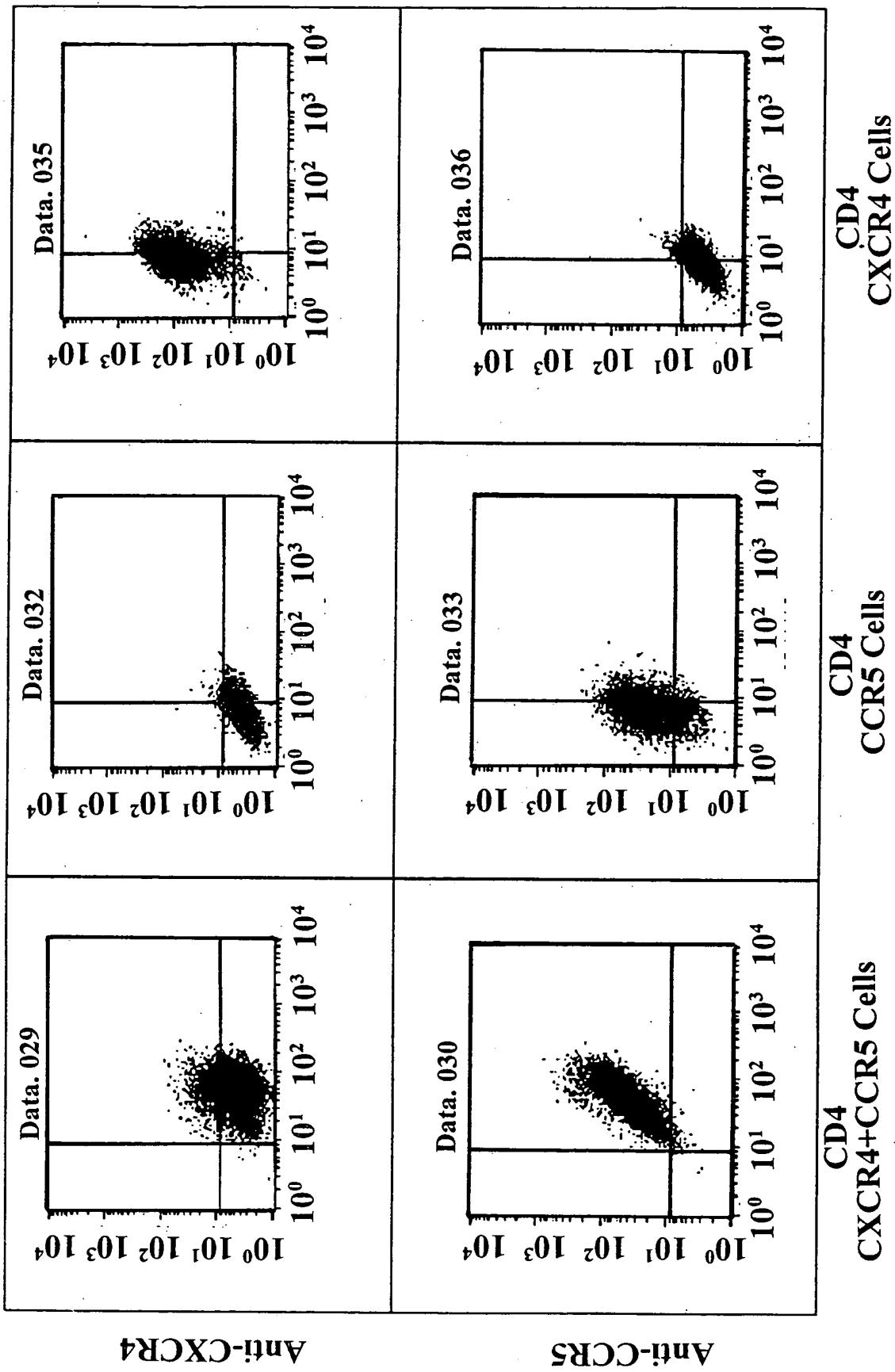


FIGURE 6

Envelope Sequence Amplification



**FIGURE 7**  
Target Cell Receptor and Co-Receptor Expression



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FIGURE 8A

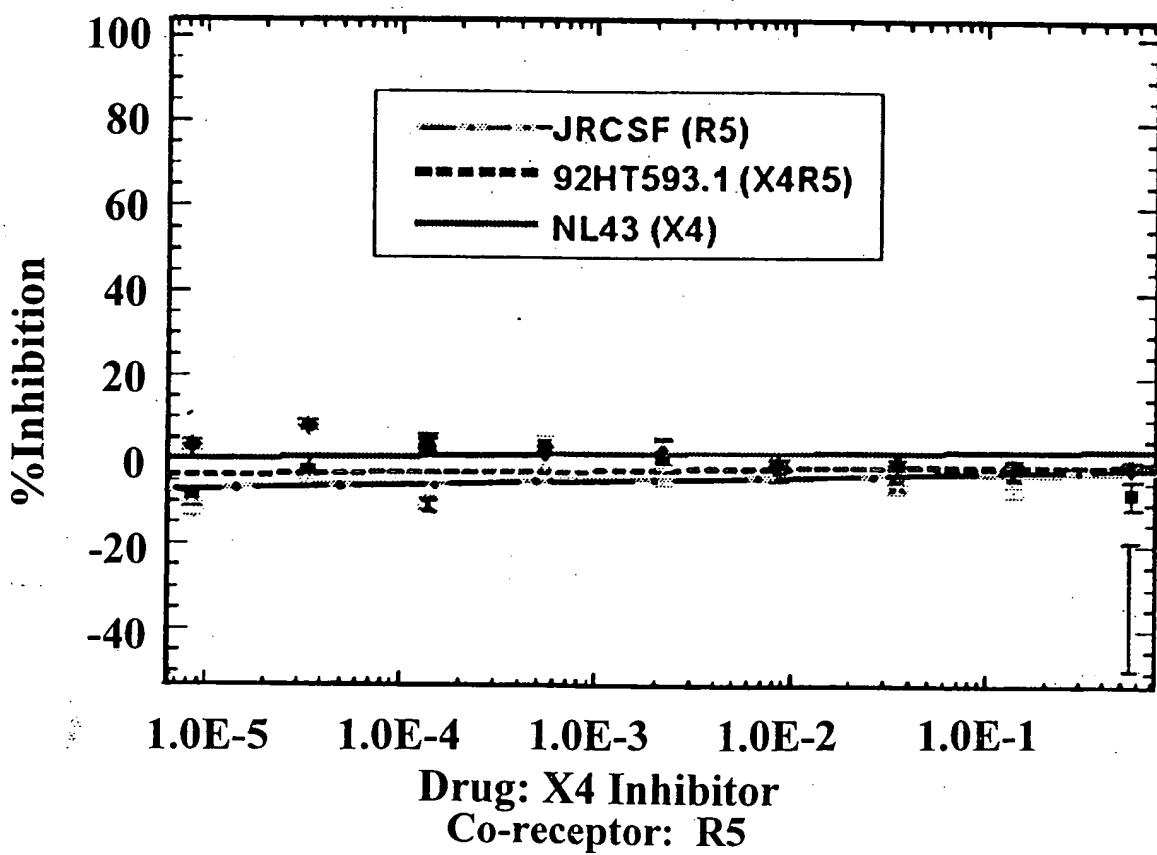
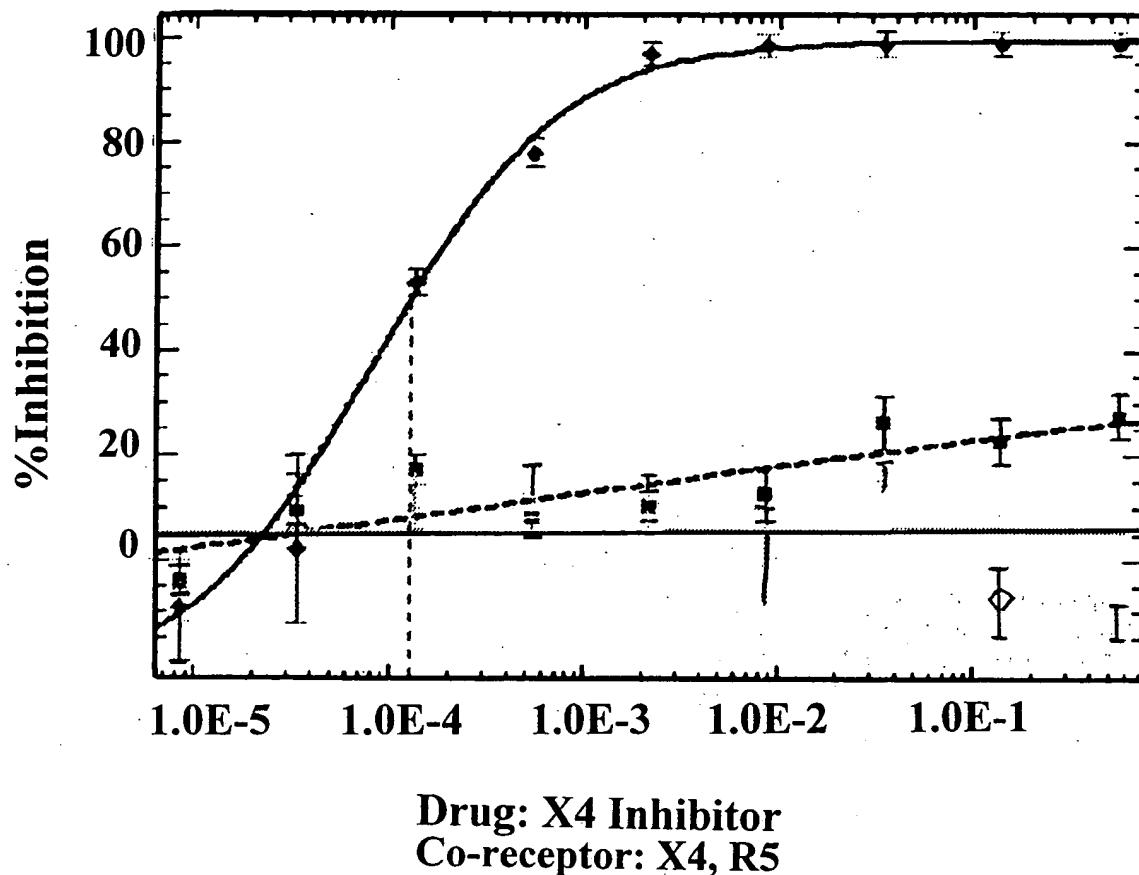
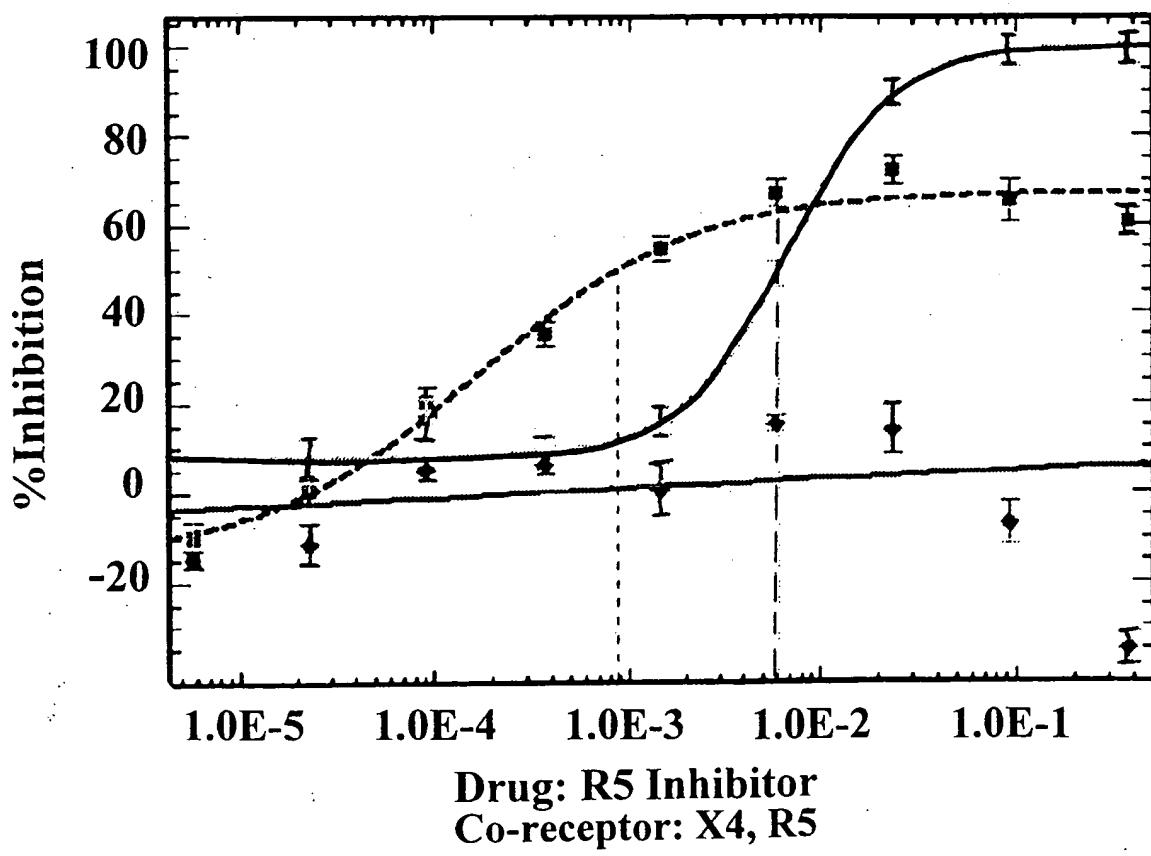
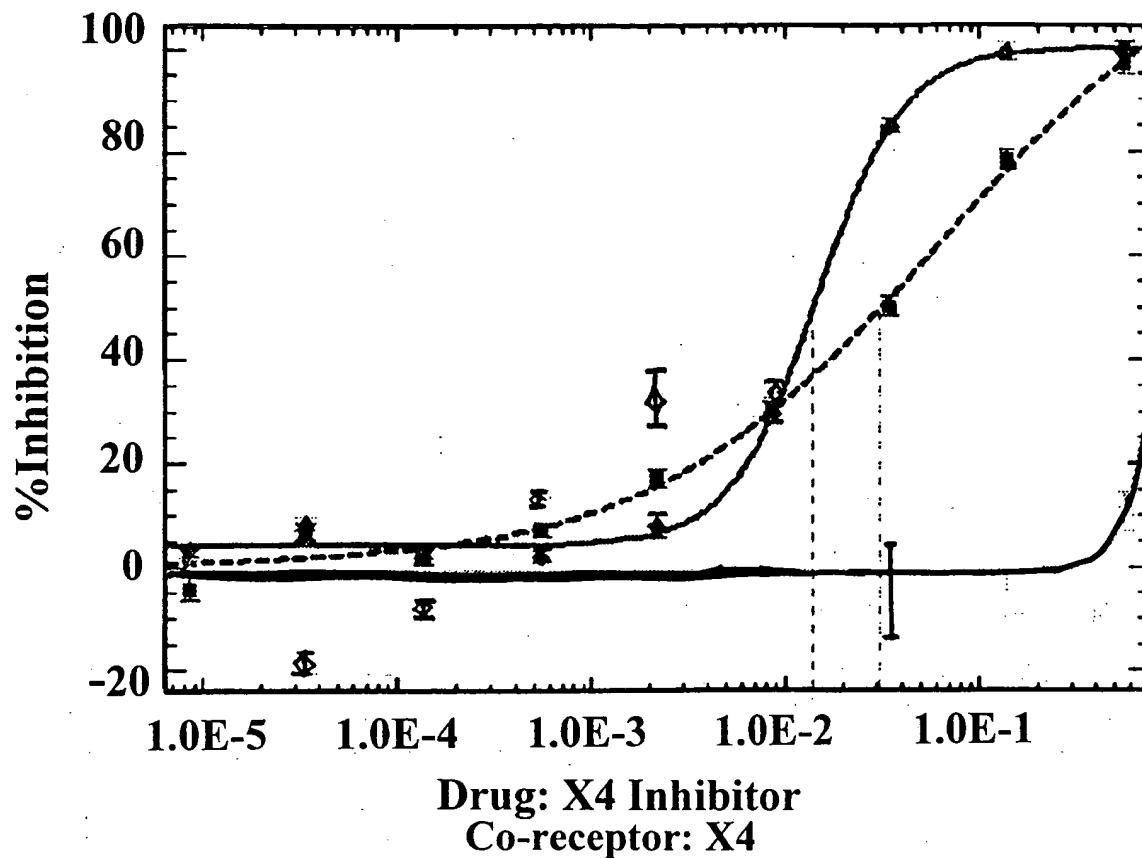


FIGURE 8B

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FIGURE 8C

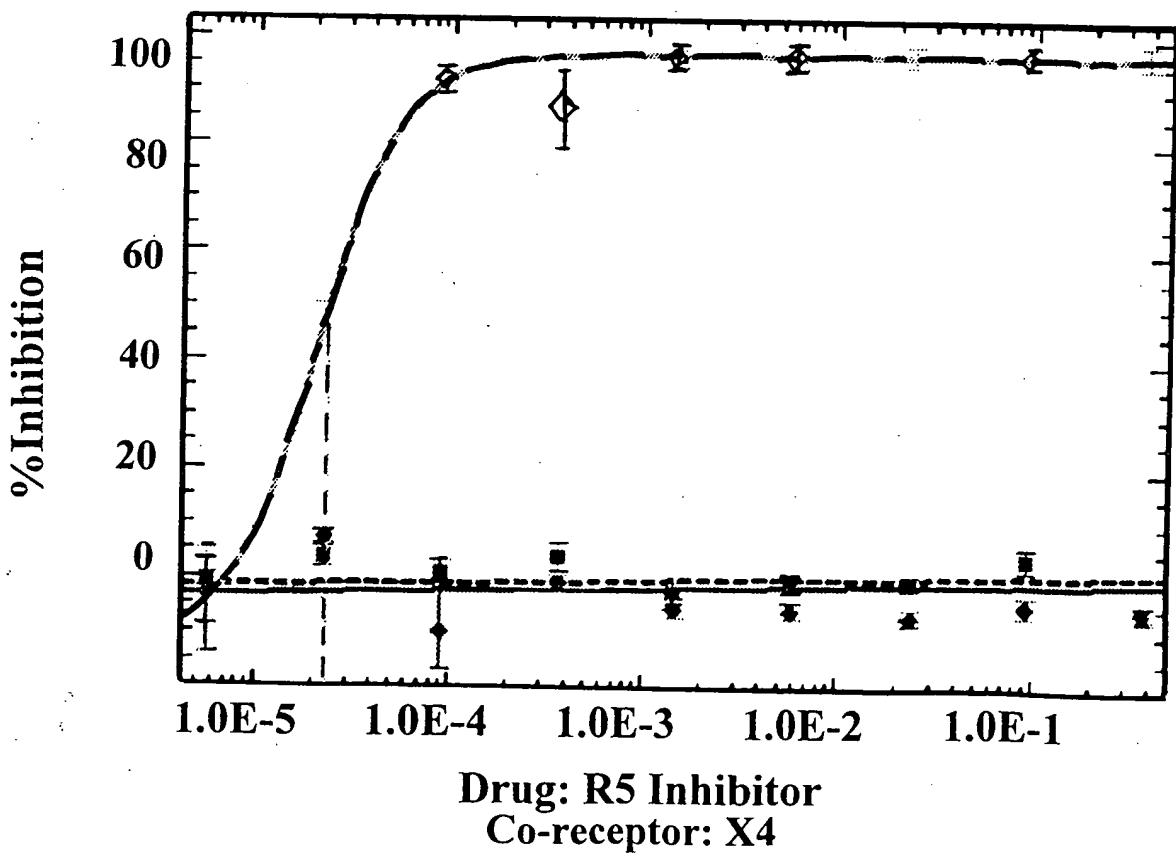
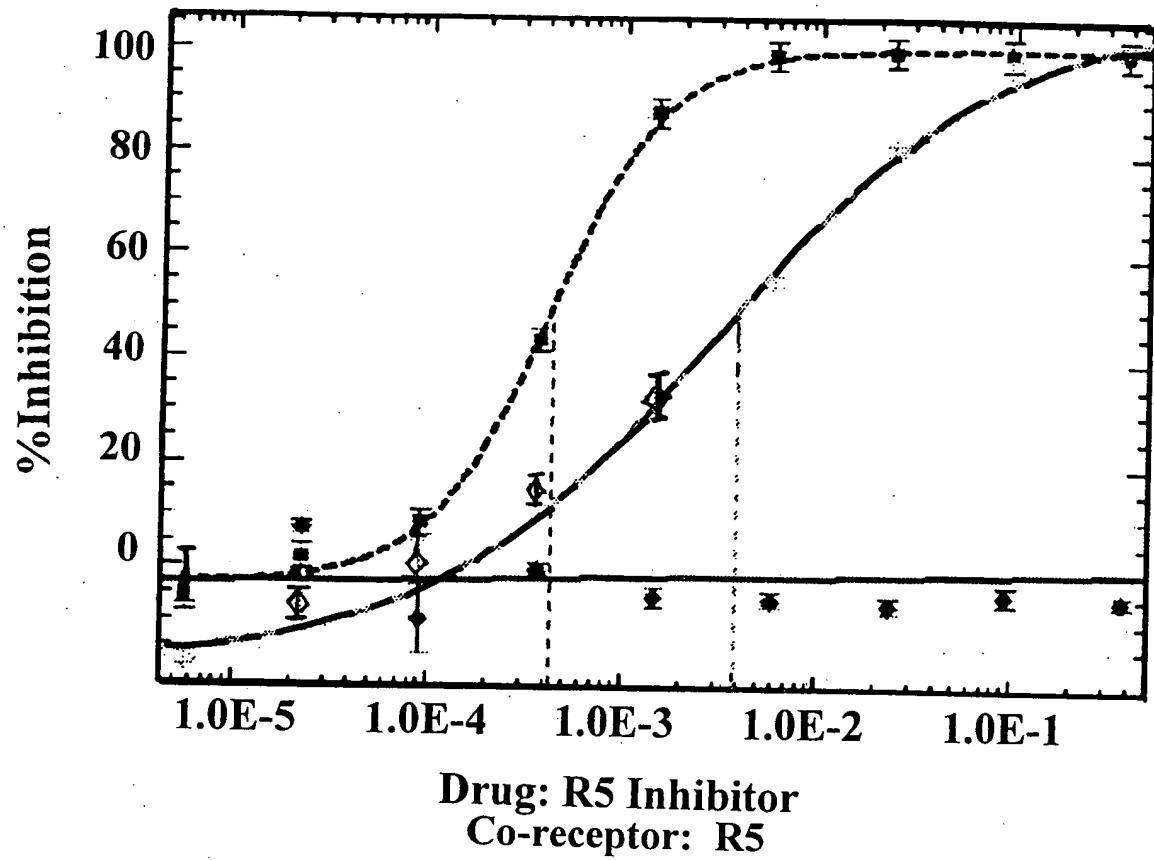


FIGURE 9  
Fusion Inhibitor Peptides

